

# L<sup>A</sup>T<sub>E</sub>X support for Lato

## Version 2.1

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## 1 Introduction

Lato is a sanserif typeface family designed in the Summer 2010 by Warsaw-based designer ukasz Dziedzic for the tyPoland foundry (see figure [1 on the following page](#)). This font is available from the Google Font Directory [[1](#)] as TrueType files licensed under the OFL version 1.1.

This package provides support for this font in L<sup>A</sup>T<sub>E</sub>X. It includes the original TrueType fonts, as well as Type 1 versions, converted for this package using Font-Forge for full support with Dvips.

Lato Hairline  
*Lato Hairline Italic*  
Lato Light  
*Lato Light Italic*  
Lato Regular  
*Lato Italic*  
**Lato Bold**  
***Lato Bold Italic***  
**Lato Black**  
***Lato Black Italic***

Figure 1: Available styles for Lato

## 2 Installation

These directions assume that your T<sub>E</sub>X distribution is TDS-compliant.

Once the `lato.zip` archive extracted:

1. Copy `doc/`, `fonts/`, `source/`, and `tex/` directories to your `texmf/` directory (either your local or global `texmf/` directory).
2. Run `mktexlsr` to refresh the file name database and make T<sub>E</sub>X aware of the new files.
3. Run `updmap --enable Map lato.map` to make Dvips, dvipdf and pdfT<sub>E</sub>X aware of the new fonts.

Note that this package requires the `keyval` [2] and `slantsc` [3] (to handle italic/slanted small caps) ones to work.

## 3 Usage

### 3.1 Calling Lato

You can use the Lato font in a L<sup>A</sup>T<sub>E</sub>X document by adding the command

```
\usepackage{lato}
```

to the preamble. The package supplies the `\flafamily` command to switch the current font to Lato.

### 3.2 Options

#### 3.2.1 Lato as default (sans-serif) font

You can set L<sup>A</sup>T<sub>E</sub>X to use Lato as standard font throughout the whole document by passing the `default` option to the package:

OT1-encoded	To Ta Té
T1-encoded	To Ta Té

Table 1: Kerning with OT1 and T1 encodings

```
\usepackage[default]{lato}
```

To set Lato as default sans-serif only:

```
\usepackage[defaultsans]{lato}
```

### 3.2.2 Font scaling

The font can be up- and downscale by any factor. This can be used to make Lato more friendly when used in company with other type faces, e.g., to adapt the x-height. The package option `scale=ratio` will scale the font according to *ratio* (1.0 by default), for example:

```
\usepackage[scale=0.95]{lato}
```

## 3.3 Encodings

The following encodings are supported:

OT1, T1, TS1 (partial)

To use one or another encoding, give the  $\LaTeX$  name to the `fontenc` package as usual, as in

```
\usepackage[T1]{fontenc}
```

```
\usepackage{lato}
```

Note that, as usual with OT1 encoded fonts, kerning with accented characters is treated poorly, if at all. Note difference in kerning between these two encoding in table 1. It is therefore advised to always use the Lota fonts in any encoding than OT1 when typing diacritics.

## 3.4 Available weights and variants

Table 2 on the following page lists the available font series and shapes with their NFSS classification. Parenthesized combinations are provided via substitutions. Notice that the small capitals are faked ones (reduced to 80%).

Samples of the font are available in the [lato-samples.pdf](#) file.

## 4 Known bugs and improvements

Please send bug reports and suggestions about the Lato  $\LaTeX$  support to [Mohamed El Morabity](#).

family	encoding	series	shape
fla	OT1, T1	el, l, m, b (bx), eb	n, it (sl), sc, scit (scsl)
	TS1		n, it (sl)

Table 2: Available font series and shapes for Lato

#### 4.1 Small dotless “j”

The Lato font files do not provide any dotless “j” glyph. This  $\LaTeX$  support provides a faked one (j), available by typing `\j`, and built using the `t1dotlessj` command (from LCDF Typetools [4]).

## 5 License

This package is released under the  $\LaTeX$  project public license, either version 1.3c or above [5]. Anyway both the TrueType and Type 1 files are delivered under the Open Font License version 1.1 [6].

## References

- [1] <http://code.google.com/webfonts/family?family=Lato>
- [2] <http://www.ctan.org/tex-archive/macros/latex/required/graphics/>
- [3] <http://www.ctan.org/tex-archive/macros/latex/contrib/slantsc/>
- [4] <http://www.lcdf.org/type/>
- [5] <http://www.latex-project.org/lppl/lppl-1-3c.html>
- [6] [http://scripts.sil.org/OFL\\_web](http://scripts.sil.org/OFL_web)